IN THE CLAIMS

(Previously presented) An apparatus for bonding a chip, comprising:

1. a substrate cassette containing a plurality of substrates, the substrate including a first chip, the substrate being electrically connected to electrode pads of the first chip;

a substrate conveyor unit located near the substrate cassette at one end and for conveying the substrate;

a tape providing unit for providing an insulating adhesive tape, the tape providing unit including:

a reel on which the insulating adhesive tape is wound;

a tape cutter for cutting the insulating adhesive tape;

rollers for feeding the insulating adhesive tape from the reel to the tape cutter;

a tape adsorption device for adsorbing the insulating adhesive tape to support

the insulating adhesive tape; and

a first tape holding device for engaging with the tape adsorption device to hold the insulating adhesive tape in position for cutting;

a tape attaching device located between the tape providing unit and the substrate conveyor and for attaching the insulating adhesive tape to an area between the electrode pads of the first chip;

a wafer table providing a wafer including a second chip; and

a chip attaching device located between the wafer table and the substrate conveyor unit for attaching the second chip to the insulating adhesive tape on the first chip.

- (Original) The apparatus of claim 1, wherein the insulating adhesive tape is at 2. least 50µm thick.
 - (Original) The apparatus of claim 1, further comprising:

a guide block installed at the lower surface of the insulating adhesive tape passing between the rollers and the tape cutter; and

a second tape holding device installed at the upper portion of the guide block and engaging with the guide block to hold the insulating adhesive tape in position for cutting.

(Original) The apparatus of claim 1, further comprising: 4.

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a tape guide installed in front of or in the rear of the rollers with respect to the traveling direction of the insulating adhesive tape and guiding the movement of the insulating adhesive tape.

- 5. (Original) The apparatus of claim 4, wherein the tape guide has at least one guide groove corresponding to the width of the insulating adhesive tape.
- 6. (Original) The apparatus of claim 5, wherein the depth of the guide groove is greater than the thickness of the insulating adhesive tape and the clearance between the guide groove and the insulating adhesive tape edges is within about three times the maximum allowable tolerance in the width of the insulating adhesive tape.
- 7. (Original) The apparatus of claim 4, wherein the tape guide comprises: a guide plate wider than the insulating adhesive tape and having at one end a step formed higher than the thickness of the insulating adhesive tape; and

a guide adjust unit installed at the guide plate and adjusting the range of use of the guide plate corresponding to the width of the insulating adhesive tape, the guide adjust unit including:

a guide post protruding through the upper portion of the guide plate and having at least one slot formed perpendicular to the step of the guide plate;

a guide block located at the lower surface of the guide plate and connected to the other end of the guide post; and

a guide block transfer means connected to the guide block and horizontally moving the guide post along the slot of the guide plate to place the insulating adhesive tape against the step of the guide plate.

8. (Original) The apparatus of claim 1, wherein the tape adsorption device is located higher than the substrate conveyor unit and the tape attaching device is located directly above the substrate conveyor unit,

wherein the tape adsorption device adsorbing the insulating adhesive tape moves above the substrate conveyor unit and the tape attaching device moves downward and adsorbs the insulating adhesive tape of the tape adsorption device and then the tape adsorption device returns to an original position and the tape attaching device moves further

downward to attach the insulating adhesive tape to the area between the electrode pads of the first chip.

- (Original) The apparatus of claim 1, further comprising: 9. a substrate collector located near an end of the other side of the substrate conveyor unit and loading the substrates having the second chip.
- (Original) The apparatus of claim 9, further comprising: 10. a repress device located between the chip attaching device and the substrate collector and repressing the second chip on the first chip,

wherein the repress device represses under conditions of a normal temperature up to about 400°C, pressure of about 100 to 3,000gf/mil and dwell time for a period of about 10 milliseconds to 10 seconds.

- (Original) The apparatus of claim 1, wherein the tape attaching device is 11. rotatable through 90 degrees.
 - (Currently amended) An apparatus for bonding a chip, comprising: 12. means for providing a substrate including a first chip having electrode pads thereon; a tape providing unit for providing an insulating adhesive tape;
- a tape attaching device for attaching one side of the insulating adhesive tape to the first chip between the electrode pads of the first chip; and
- a chip attaching device for attaching a second chip to the other side of the insulating adhesive tape, wherein the tape attaching device is rotatable through an angle of 90 degrees to place the insulating adhesive tape onto the first chip with a variable orientation.
- (Original) The apparatus of claim 12, wherein the tape providing unit 13. comprises:
 - a reel on which the insulating adhesive tape is wound;
 - a tape cutter for cutting the insulating adhesive tape;
 - rollers for feeding the insulating adhesive tape from the reel to the tape cutter;
- a tape adsorption device for adsorbing the insulating adhesive tape to support the insulating adhesive tape; and

a first tape holding device for engaging with the tape adsorption device to hold the insulating adhesive tape in position for cutting.

- (Original) The apparatus of claim 12, wherein the means for providing a 14. substrate comprises a substrate cassette.
- (Original) The apparatus of claim 14, further comprising a substrate conveyor 15. unit located near the substrate cassette at one end and for conveying the substrate at a predetermined interval.
- (Original) The apparatus of claim 15, wherein the tape attaching device is 16. located between the tape providing unit and the substrate conveyor.
- (Previously presented) The apparatus of claim 15, further comprising a wafer 17. table providing a wafer including the second chip.
- (Original) The apparatus of claim 17, wherein the chip attaching device is 18. located between the wafer table and the substrate conveyor unit.
 - Cancelled 19.
- (Currently amended) The apparatus of claim 12 An apparatus for bonding a 20. chip, comprising:

means for providing a substrate including a first chip having electrode pads thereon; a tape providing unit for providing an insulating adhesive tape, wherein the insulating adhesive tape has a cover film on either or both sides before being attached to the first chip;

a tape attaching device for attaching one side of the insulating adhesive tape to the first chip between the electrode pads of the first chip;

a chip attaching device for attaching a second chip to the other side of the insulating adhesive tape; and

reels to separate the cover film from the insulating adhesive tape.

Cancelled 21.